PICTURETEL

System 4000

Wide-Angle and/or Auxiliary Camera Installation Instructions

MP MASTER
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Wide-Angle and/or Auxiliary Camera Installation Instructions

This document provides the procedures that enable you to install a wide-angle pan-tilt-zoom (PTZ) camera or an auxiliary camera with your System 4000™ videoconferencing system.

You can use these instructions to

- Replace your PTZ main camera with the new wide-angle PTZ camera
- Convert your old PTZ camera for use as an auxiliary camera mounted on a tripod
- Install an auxiliary (remote) PTZ camera

You may not need *all* of these procedures. For example, if you have purchased an auxiliary camera kit, you need only those procedures that pertain to installing the auxiliary camera. If you are replacing your camera module and converting your old camera to an auxiliary camera, you need all of the procedures.

Refer to the procedures you need to remove, install, or convert your camera equipment:

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Removing the Existing Camera Module

To remove the existing camera module:

1. ***Power down the system by pressing the Ø/1 button on the electronics module back panel or on the front of the Model 800 to Ø.***
2. ***Unscrew the screw that secures the cable-holding clamp to the camera-mounting base.***
3. ***Rotate or raise the clamp so that the cables can be moved.***
4. ***Disconnect the two camera cables from the CONTROL and Y/C OUT connections on the back panel of the camera module, as shown in Figure 1.***

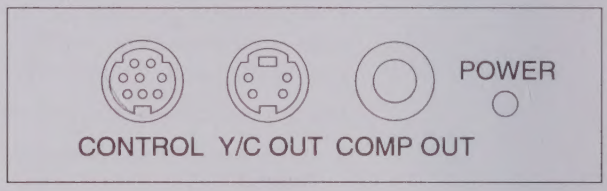

Figure 1: The Camera Module Back Panel

5. ***Grasp the camera module by its base, taking care that you are not holding the mounting bracket that attached to the monitor.***
6. ***Pull up on the camera module, and release it from the two Velcro™ strips on the mounting bracket.***
7. ***Set the camera module upside down on a clean, nonabrasive work surface.***

Removing the Camera Brackets

If your camera module was attached to the monitor with brackets, you need to remove them before you can install the wide-angle PTZ camera. The wide-angle camera attaches to the monitor using Velcro strips.

Note: The following instructions are general procedures to remove the camera module brackets. Your brackets may be slightly different.

To remove the camera module brackets:

1. ***Loosen the thumb screw or screws on the outside of the rear clamp.***
2. ***Remove the monitor bracket and any blue foam padding from the monitor.***

   Discard the bracket and foam padding.

Installing the Wide-Angle Camera Module

To install the wide-angle camera module, you need to

- Attach the camera to the monitor
- Reconnect the camera cables

Attaching the New Camera Module

To attach the new wide-angle camera to your existing monitor:

1. ***Turn the camera module upside down on a clean, nonabrasive work surface.***
2. ***Refer to Figure 2 and peel off the paper backing from each Velcro strip, exposing the adhesive layer on each strip.***

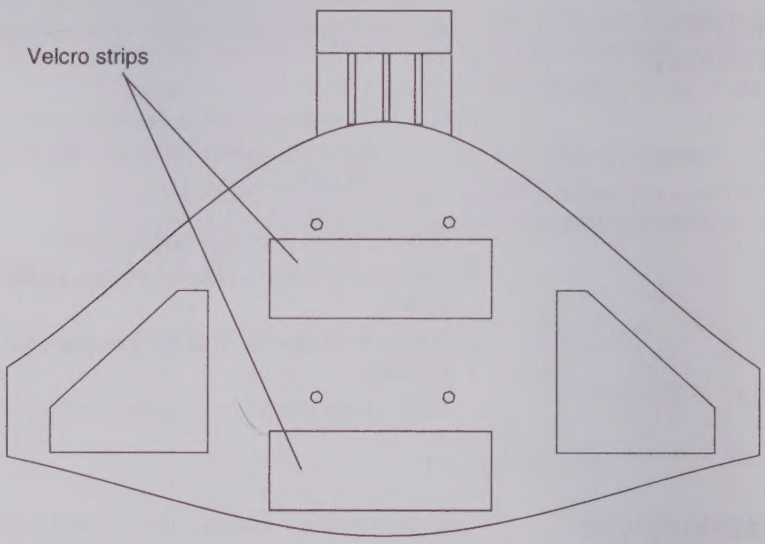

Figure 2: Position of the Velcro Strips on the Camera Module

Caution

You need to take care when you attach the camera module to the monitor (in step 4) because the adhesive on the Velcro loop strips is industrial strength. This means that once you attach the camera to the monitor, you cannot remove or reposition the camera.

3. ***To determine the correct position for the camera, turn the camera module right-side up, and hold it above the monitor with the flat-curve edge of the camera aligned with the front of the monitor.***
4. ***Lower the camera onto the monitor, and secure it by pressing gently with the heels of your hands as shown in Figure 3.***

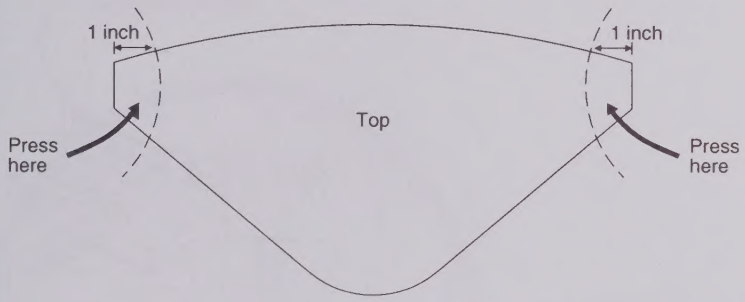

Figure 3: Attaching the Camera Module

Connecting the Camera Cables

To reconnect the cables, refer to Figure 4 and follow these steps:

1. ***Connect the 8-pin DIN connector cable to the* CONTROL *connection with flat sides aligned.***
2. ***Connect the 4-pin DIN connector cable to the* Y/C OUT *connection with flat sides aligned.***
3. ***Secure the two camera cables by pressing them down into the cable grooves on the base of the PTZ camera and fastening the cable clamp cover over the cable grooves.***

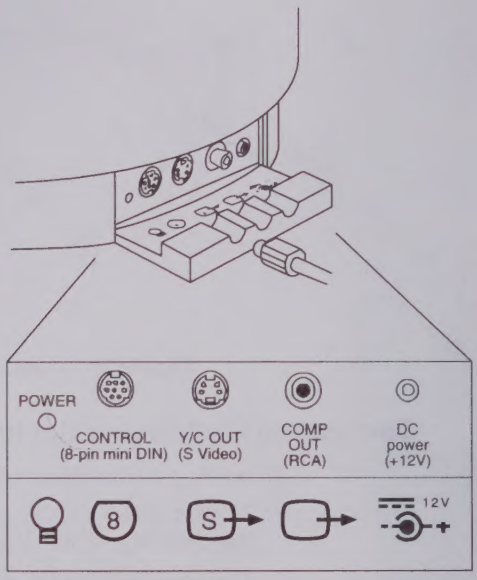

Figure 4: The PTZ Camera Connector Panel

Converting the Main Camera to an Auxiliary Camera

This section describes how to convert your existing main camera for use as an auxiliary camera. You will need a long Phillips screwdriver to complete this procedure.

To convert your main camera to an auxiliary camera, you need to

- Remove the shroud from the camera
- Detach the ringer from the camera

Removing the Shroud

To remove the shroud:

1. ***Place the old camera module right-side up on a clean, nonabrasive work surface.***
2. ***Loosen the two thumb screws from the top of the camera module.***

   One screw is located on each side of the camera module.

3. ***Refer to Figure 5 and carefully remove the camera module cover and set it aside.***

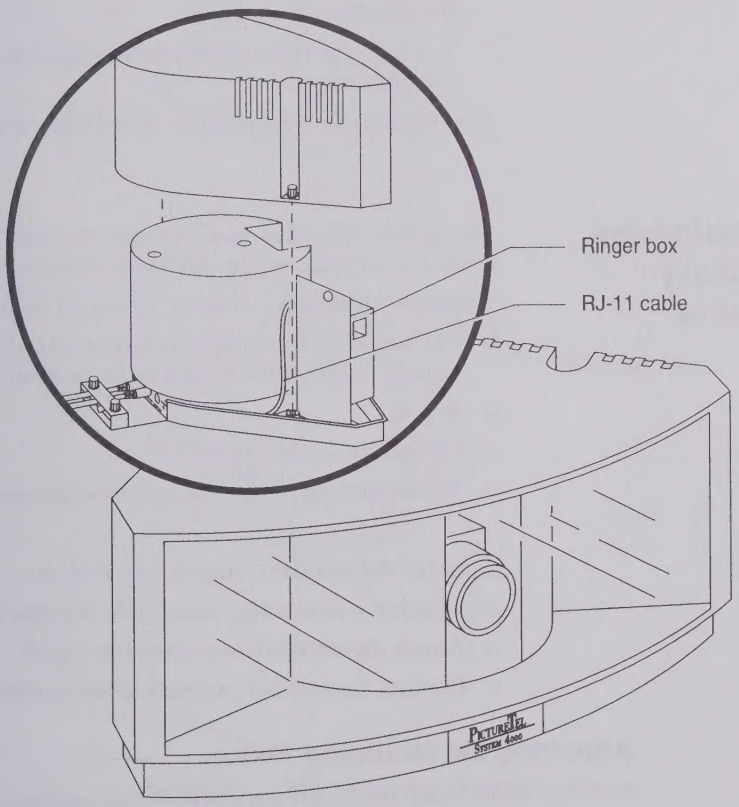

Figure 5: Removing the Camera Module Cover

Detaching the Ringer

To detach the ringer:

1. ***Turn the camera module over so that it is upside down.***
2. ***Remove the four screws from the base of the camera module.***
3. ***Lift the base approximately two inches from the camera.***

   You see a gray cable attached to the camera and the ringer box.

4. ***Carefully detach the gray cable from the camera by pushing in on the release tab and pulling back on the cable.***
5. ***Remove the camera base.***

   Discard the camera base.

   You will attach the camera to the tripod for use as an auxiliary (remote) camera.

Now refer to the next section, "Installing the Auxiliary Camera."

Installing the Auxiliary Camera

This section describes how to install the auxiliary (remote) PTZ camera with your System 4000 videoconferencing system.

To install the auxiliary camera, you need the following components:

- PTZ auxiliary camera module (purchased as an auxiliary camera or converted from a main camera)
- Tripod
- Connection cable (50 feet)
- Two mounting plates and four Phillips-head screws

To install the auxiliary camera, you need to

- Attach the mounting plates to the auxiliary camera
- Attach the auxiliary camera to the tripod
- Connect the auxiliary camera to the electronics module

Attaching the Mounting Plates

To attach the mounting plates to the auxiliary camera:

1. ***Turn the camera module upside down on a clean, nonabrasive work surface.***
2. ***Refer to Figure 6, and position the two mounting plates as shown, ensuring that the cable bracket is pointing down.***
3. ***Screw the four screws through both plates into the bottom of the camera.***
4. ***Tighten the screws securely.***

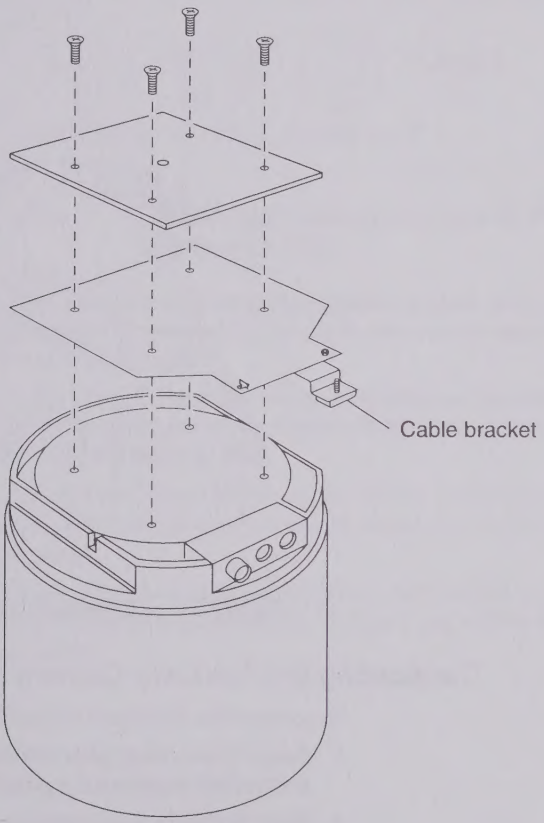

Figure 6: Attaching the Mounting Plates

Attaching the Auxiliary Camera to the Tripod

To attach your auxiliary camera to a tripod:

1. ***Turn the camera right side up, and hold it over the tripod with one hand while you do the next step with the other hand.***
2. ***Refer to Figure 7, and screw the mounting screw that is on the top of the tripod into the center hole of the camera mounting plate, which is now on the underside of the camera.***
3. ***Tighten the screw securely.***

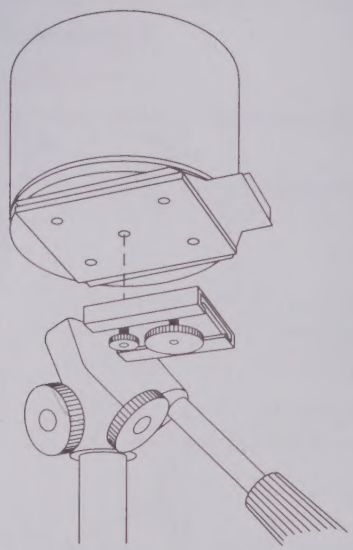

Figure 7: Attaching the Auxiliary Camera to the Tripod

Connecting the Auxiliary Camera to the System 4000

To connect the auxiliary camera to the System 4000:

1. ***Power down the System 4000 by pressing the Ø/1 button on the electronics module back panel or on the front of the Model 800 to Ø.***
2. ***Refer to Figure 6, unscrew the Phillips-head screw that holds the cable bracket to the mounting plate, and remove the screw and cable bracket.***
3. ***Refer to Figure 8, and connect the following cable connectors to the auxiliary camera back panel:***
   a. Connect the 8-pin DIN connector to the CONTROL connection.
   b. Connect the 4-pin DIN connector to the Y/C OUT connection.

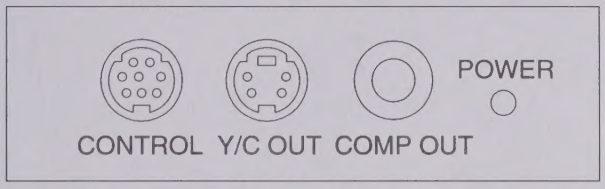

Figure 8: Connecting Cable Connectors to the Auxiliary Camera

4. ***Replace the cable bracket on the mounting plate, and screw the Phillips-head screw securely in place between the two connectors on the end of the cable.***
5. ***Refer to Figure 9, and connect the connectors on the opposite end of the cable to the connection panel on the back of the electronics module of your System 4000:***
   a. Connect the 8-pin DIN connector to the lowest of the three AUX CAM connections[1] on the VI Board (or VGI Board, if present).
   b. Connect the 4-pin DIN connector to the middle of the three AUX CAM connections on the VI Board (or VGI Board, if present).

1. In some system configurations, you may choose to connect to the MAIN CAM connection on the VI or VGI Board.

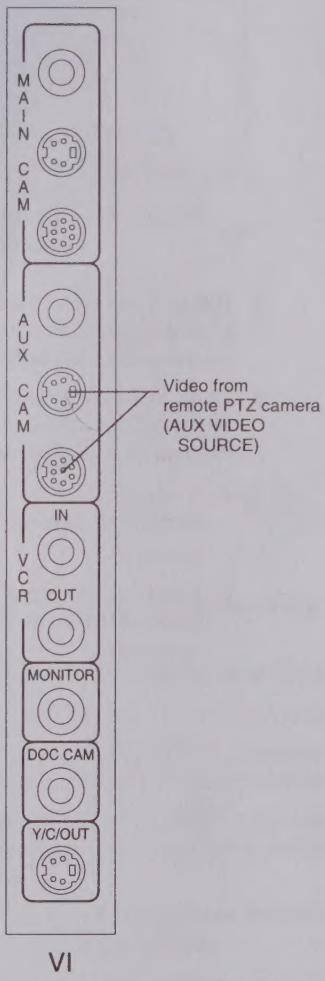

Figure 9: Connecting the Cables to the System 4000

6. ***Power up the System 4000 by pressing the Ø/1 button on the electronics module back panel or on the front of the Model 800 to 1.***

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